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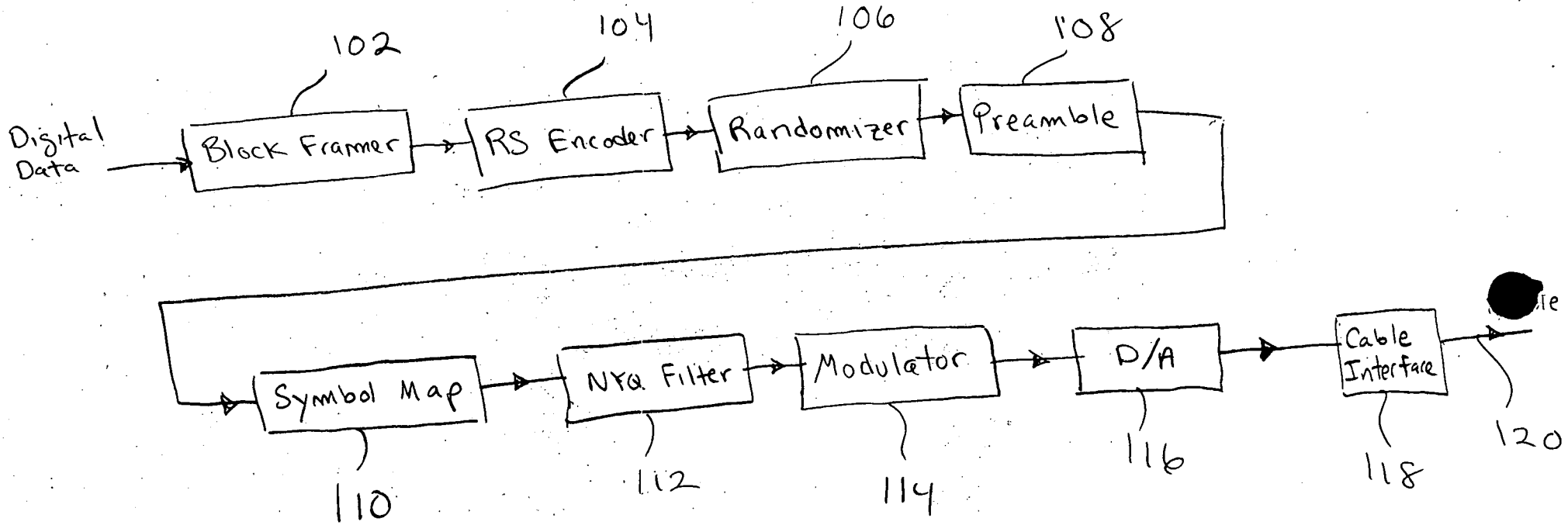

Fig. 1

PRIOR ART

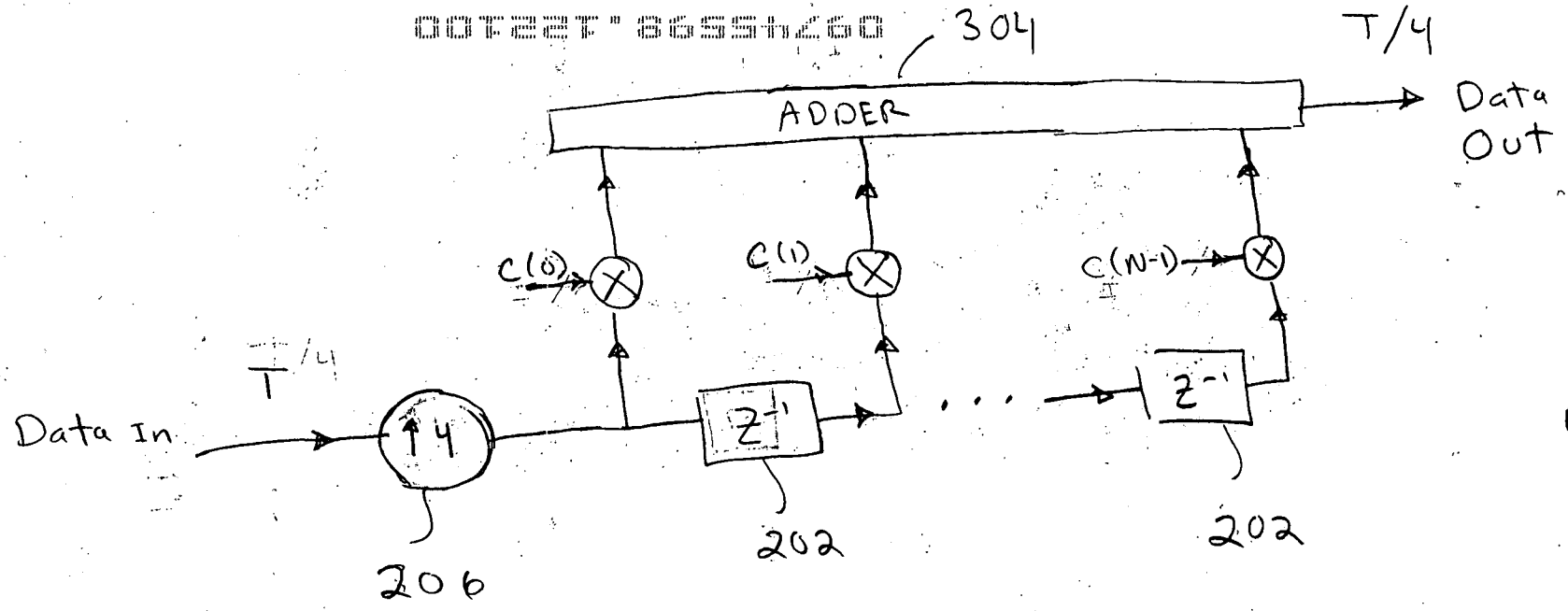

Fig. 2

PRIOR ART

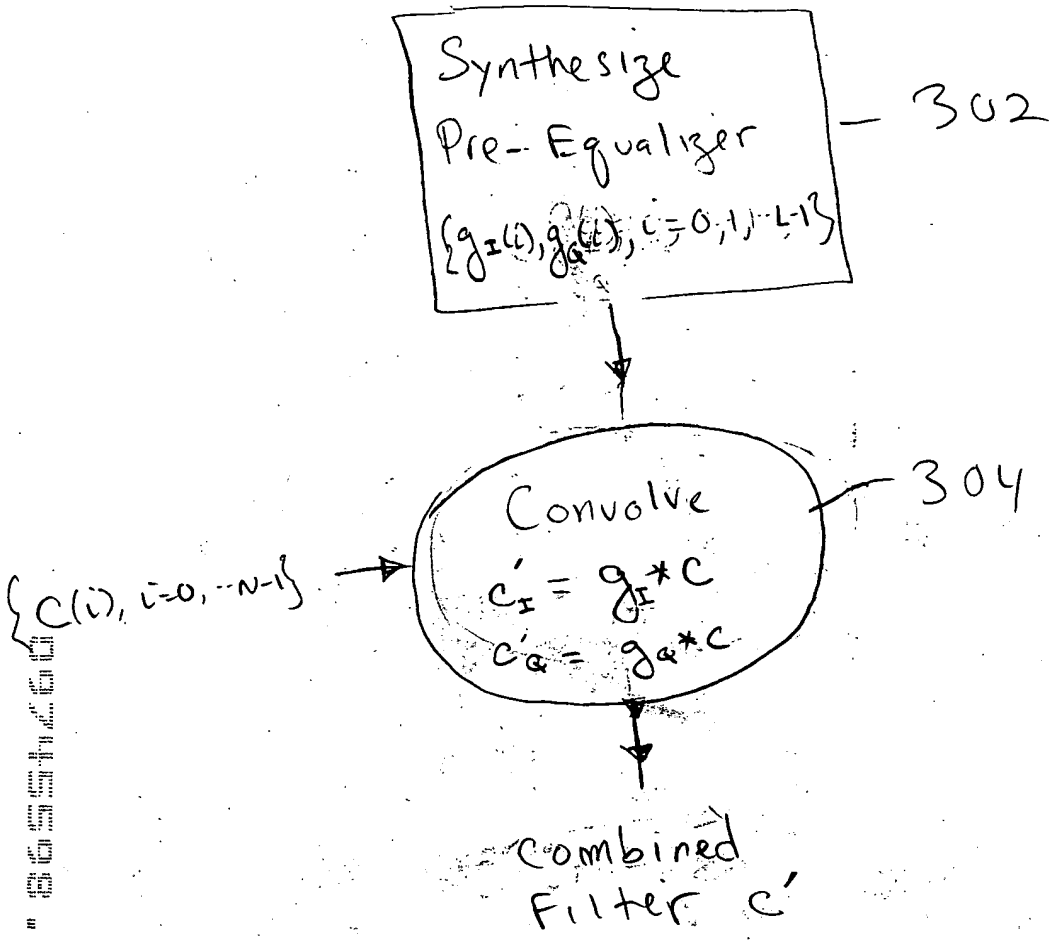
Synthesize
Pre-Equalizer
$\{g_I(i), g_Q(i), i=0,1,\cdots L-1\}$
302
Convolve
$c'_I = g_I * c$
$c'_Q = g_Q * c$
304
$\{c(i), i=0,\cdots N-1\}$
Combined
Filter c'

Fig. 3.

0072271 8655h760

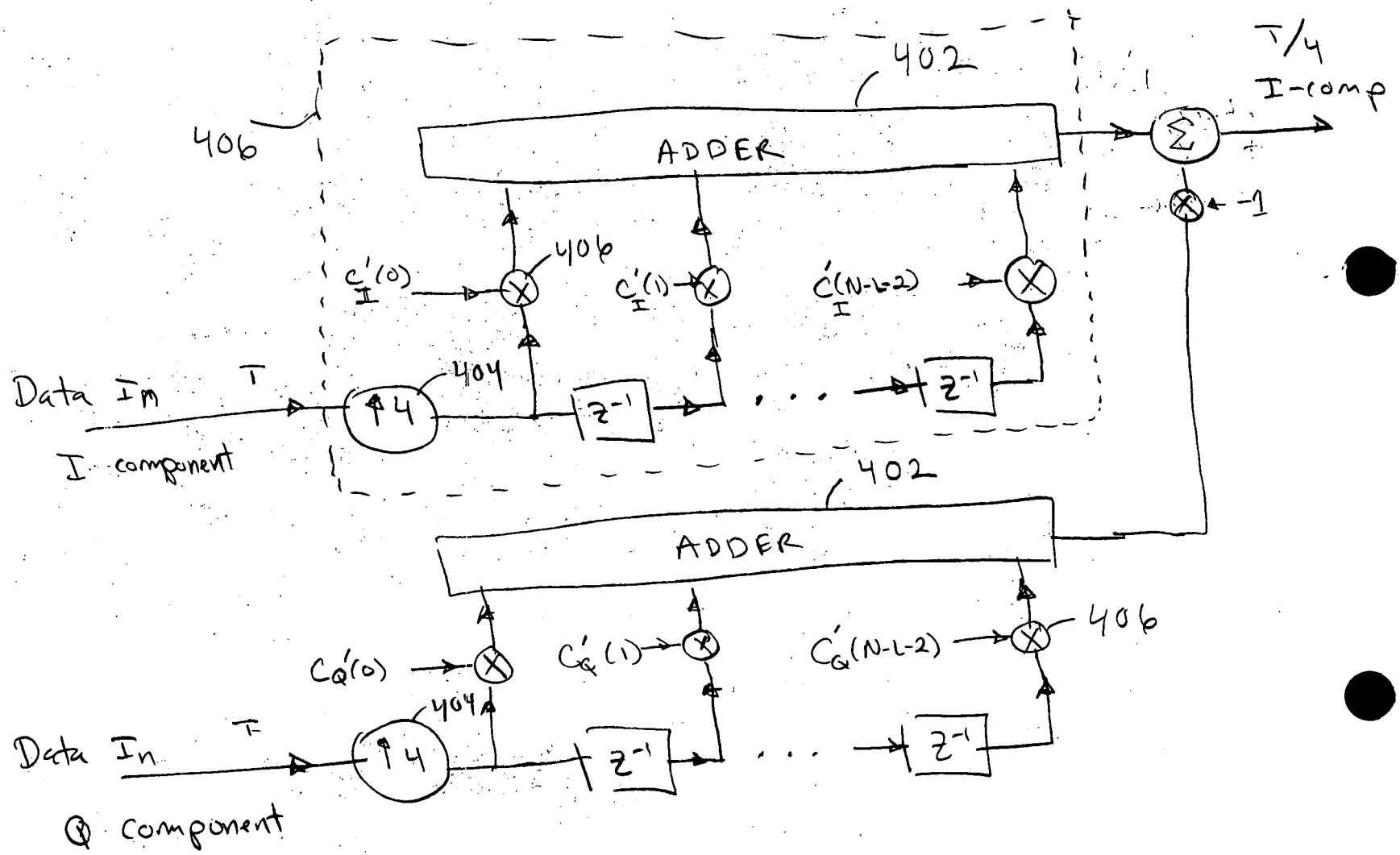

Fig. 4

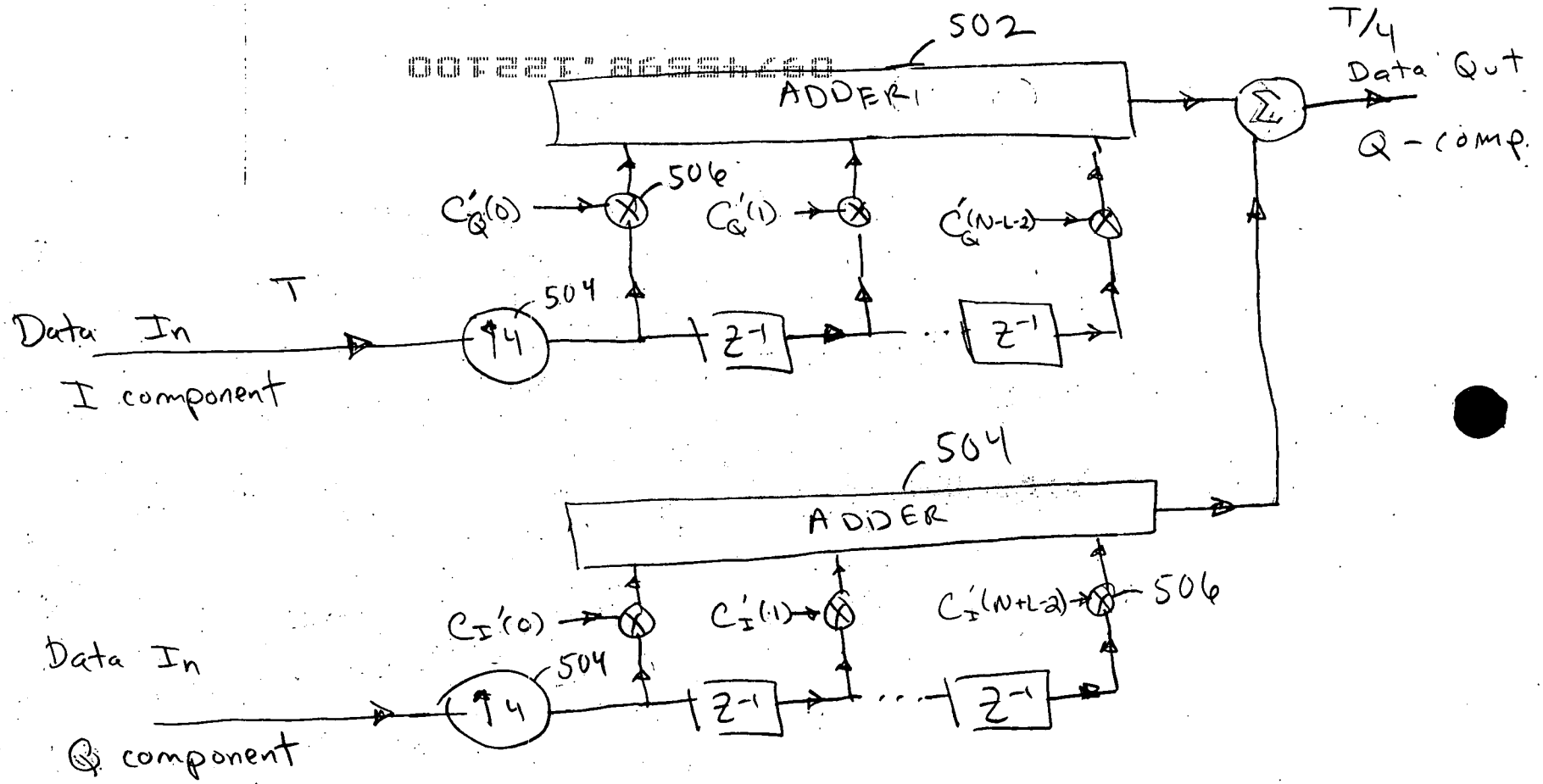
502
ADDER
T/4
Data Out
Q - comp.
506
$C'_Q(0)$
$C'_Q(1)$
$C'_Q(N-L-2)$
T
Data In
I component
504
Z^{-1}
Z^{-1}
504
ADDER
$C_I'(0)$
$C_I'(1)$
$C_I'(N+L-2)$
506
Data In
Q component
504
Z^{-1}
Z^{-1}

Fig. 5

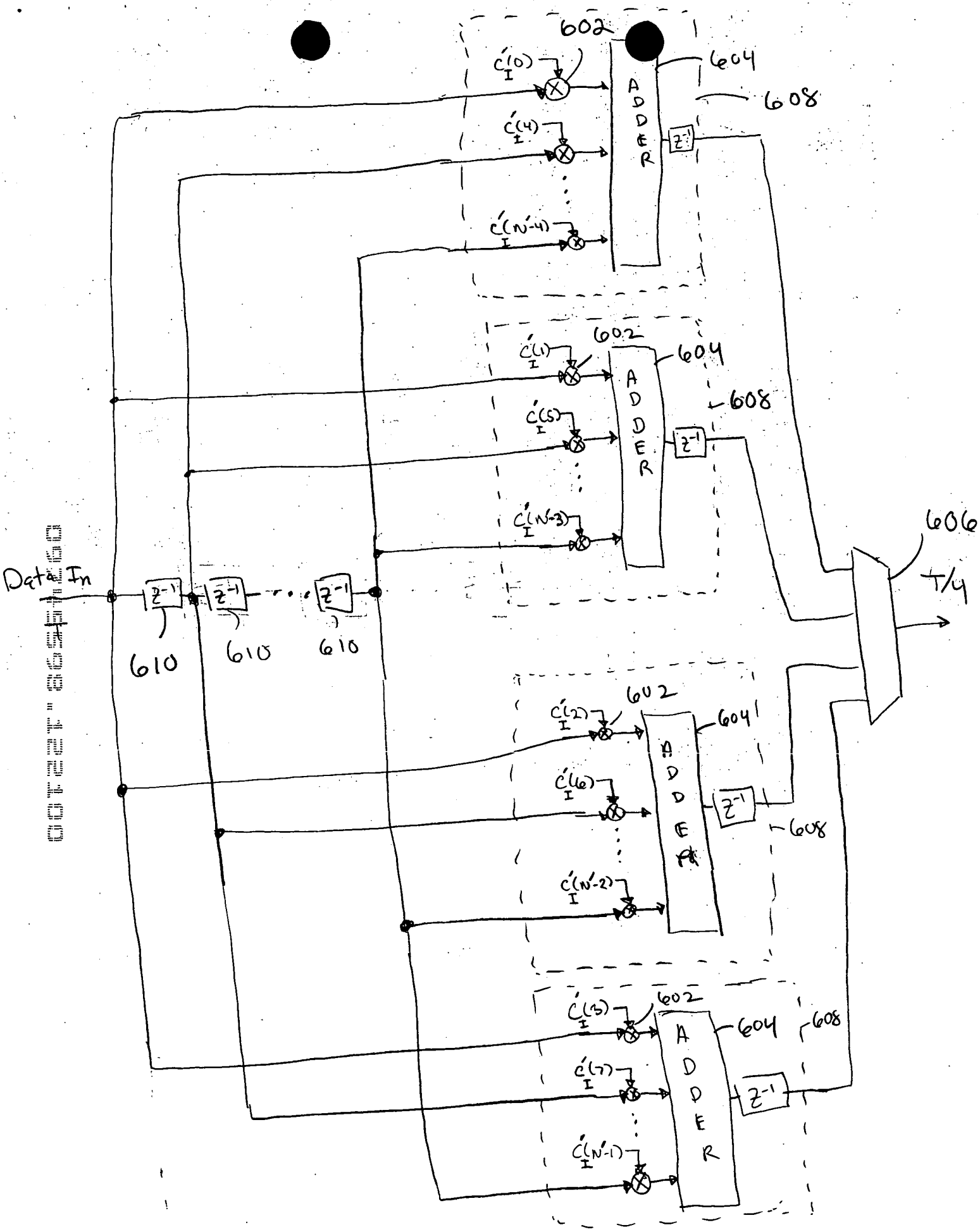
602
604
608
ADDER
$C'_I(0)$
$C'_I(4)$
$C'_I(N'-4)$
$C'_I(1)$
$C'_I(5)$
$C'_I(N'-3)$
$C'_I(2)$
$C'_I(6)$
$C'_I(N'-2)$
$C'_I(3)$
$C'_I(7)$
$C'_I(N'-1)$
Z^{-1}
Data In
610
606
4/4

Fig. 6

DOCKET 86954260

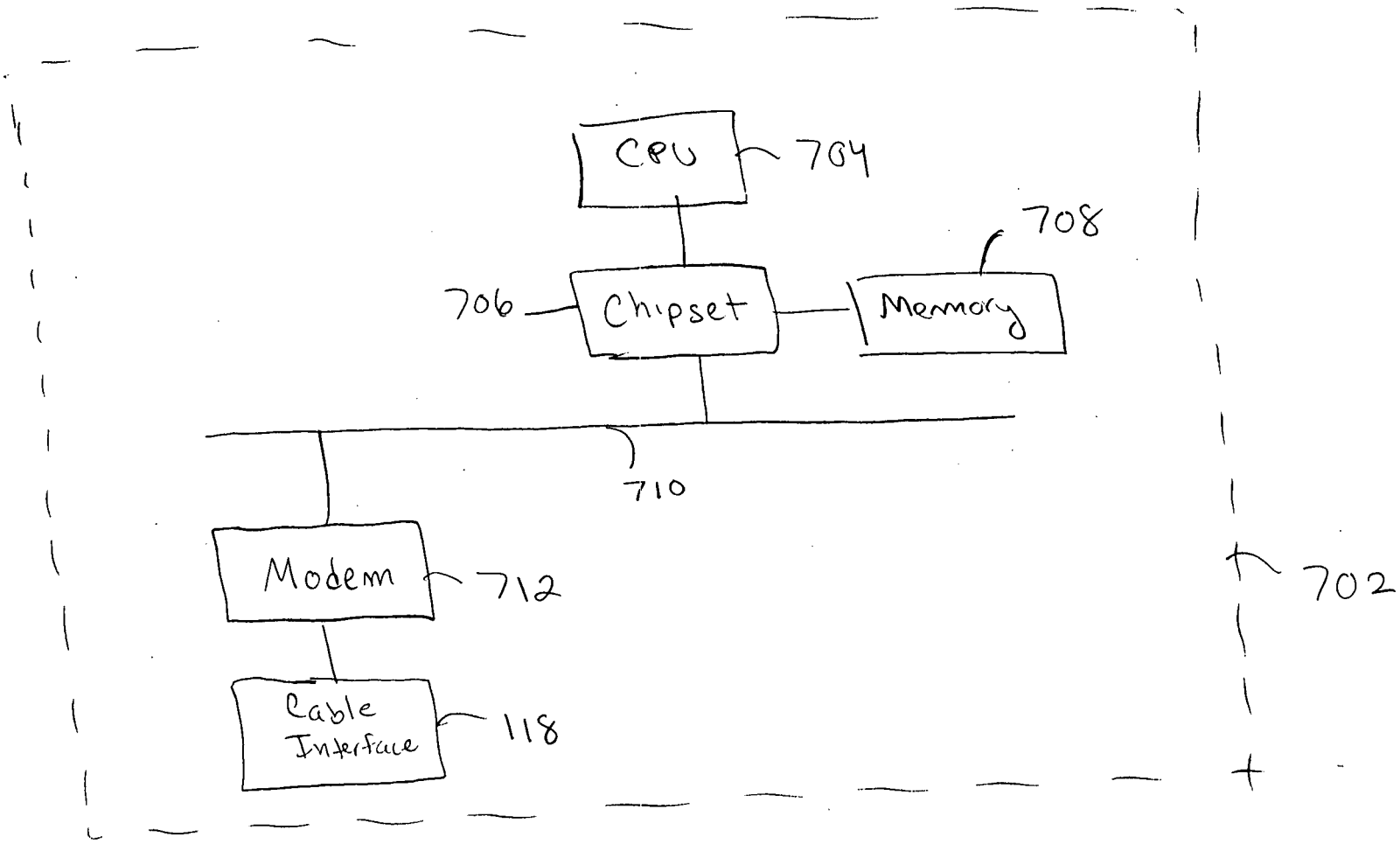

Fig. 7